Emmet County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes, and levees		Aquifer-fed excavated ponds	
	Rating class and limiting features		Rating class and limiting features			
: Okoboji	 Somewhat limited Seepage 	 0.70 	Depth to saturated zone	11.00	 Somewhat limited Slow refill Cutbanks cave	 0.30 0.10
7: Terril	 Somewhat limited Seepage		 Somewhat limited Piping 		 Very limited Deep to water 	1 1 1 1 1 1 1 1 1 1
7B: Terril	 Somewhat limited Seepage		 Somewhat limited Piping		 Very limited Deep to water	11.00
7C: Terril	 Somewhat limited Seepage		 Somewhat limited Piping		 Very limited Deep to water	1 1 1 1 1 1 1 1 1 1
8: Dickman	 Very limited Seepage		 Very limited Seepage		 Very limited Deep to water	11.00
8B: Dickman	 Very limited Seepage		 Very limited Seepage		 Very limited Deep to water	1 1.00
4: Estherville	 Very limited Seepage		 Somewhat limited Seepage		 Very limited Deep to water	1 1.00
4C2: Estherville	 Very limited Seepage		 Somewhat limited Seepage		 Very limited Deep to water	11.00
5: Nicollet	 Somewhat limited Seepage 	 0.70 	 Somewhat limited Depth to saturated zone Piping	0.02 0.01		0.68
2C2: Storden	 Somewhat limited Seepage	 0.70	 Very limited Piping	i I	 Very limited	0.10 1.00
2D2: Storden	 Somewhat limited Seepage Slope	 0.70 0.01			 Very limited Deep to water 	 1.00

Emmet County, Iowa

	Pond reservoir ar 	eas	Embankments, dikes, and levees			
	Rating class and limiting features					
62D3: Storden		 0.70 0.01			 Very limited Deep to water 	1 1.00
52E: Storden	Seepage		Piping		 Very limited Deep to water	11.00
S2E2: Storden	Seepage		Piping		 Very limited Deep to water 	1.00
52F: Storden		 0.70 0.18		11.00	 Very limited Deep to water 	1 1.00
2G: Storden		 0.70 0.64			 Very limited Deep to water 	1 1 1 1 1 1 1 1 1 1
2: Estherville			 Somewhat limited Seepage 			 1.00
2B: Estherville	. =		 Somewhat limited Seepage 		· -	1 1.00
3B: Salida			 Somewhat limited Seepage			 1.00
3C2: Salida			 Somewhat limited Seepage			1 1 1 1 1 1 1 1 1 1
3D2: Salida	Seepage				 Very limited Deep to water 	11.00

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Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes, and levees		Aquifer-fed excavated ponds	
			Rating class and limiting features			
73G: Salida	Seepage		 Somewhat limited Seepage 		· •	 1.00
0: Okoboji		0.05 	Depth to saturated zone	11.00		0.30
5: Harps	 Somewhat limited Seepage 	1 1 1 0.70	 Very limited Depth to saturated zone	11.00	 Somewhat limited Slow refill Cutbanks cave	 0.30 0.10
07: Webster	•	0.70 	Depth to saturated zone Piping	11.00		 0.30 0.10
08: Wadena	-		 Somewhat limited Seepage	 		1 1.00
33: Colo	 Somewhat limited Seepage 			11.00	 Somewhat limited Slow refill Cutbanks cave	 0.30 0.10
35: Coland	•	11.00	Depth to saturated zone Piping	1 1 . 00	 Somewhat limited Cutbanks cave 	0.10
38B: Clarion	 Somewhat limited Seepage 		=		 Very limited Deep to water 	1 1 1 1 1 1 1 1 1 1
38C: Clarion	 Somewhat limited Seepage				 Very limited Deep to water	1 1.00

Emmet County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes, and levees		Aquifer-fed excavated ponds	
	Rating class and limiting features		 Rating class and limiting features 			
38C2: Clarion			· •		 Very limited Deep to water	1 1 . 00
38D: Clarion		 0.70 0.01	Piping		 Very limited Deep to water 	1 1.00
38D2: Clarion		0.70	Piping		 Very limited Deep to water	1 1.00
21: Palms	 - Very limited Seepage	1 1.00	 Very limited Depth to saturated zone	11.00	 Somewhat limited Cutbanks cave 	0.10
24: Linder		1.00	 Somewhat limited Seepage Depth to saturated zone	11.00	Cutbanks cave	11.00
36B: Lester			Piping			1 1 1 1 1 1 1 1 1 1
36C: Lester			 Somewhat limited	i I	 Very limited Deep to water	11.00
36D: Lester	Seepage		 Somewhat limited Piping 			11.00
36F: Lester			Piping		 Very limited Deep to water 	1 1 1 1 1 1 1 1 1 1
36G: Lester			Piping		 Very limited Deep to water 	1 1 1 1 1 1 1 1 1 1

Emmet County, Iowa

Map symbol and soil name	Pond reservoir areas		Embankments, dikes, and levees		Aquifer-fed excavated ponds	
	_		Rating class and limiting features 			
259: Biscay	•	1.00 	Depth to saturated zone Seepage	11.00		1 1.00
854: Histosols	 Very limited Seepage	11.00	 Very limited	 		0.10
84: Collinwood		0.05 	 Somewhat limited Depth to saturated zone Hard to pack 	0.09 0.06		 0.99 0.54 0.10
90: Waldorf		0.57	 Very limited Depth to saturated zone Hard to pack	11.00	'	 0.43 0.10
85: Spillville	-		 Somewhat limited Piping 	0.85	 Somewhat limited Deep to water Cutbanks cave	 0.81 0.10
85B: Spillville	-		 Somewhat limited Piping 	0.85		 0.81 0.10
07: Canisteo			' -	11.00	 Somewhat limited Slow refill Cutbanks cave	 0.30 0.10
08: Calcousta				11.00	 Somewhat limited Slow refill 	 0.30

Emmet County, Iowa

Map symbol and soil name	Pond reservoir areas		Embankments, dikes levees	Embankments, dikes, and levees		ls
	Rating class and limiting features		Rating class and limiting features 			
311: Blue Earth			Depth to saturated zone	11.00	 Somewhat limited Slow refill Cutbanks cave	 0.30 0.10
11B: Blue Earth	 Somewhat limited Seepage 	 0.05	Depth to saturated zone	11.00	 Somewhat limited Slow refill Cutbanks cave	 0.95 0.50
24: Linder	 Very limited Seepage 		 Somewhat limited Depth to saturated zone	1 1 1 0.43	 	 1.00 0.25
59: Talcot	 Very limited Seepage 	 1.00	Depth to saturated zone	11.00	 Very limited Cutbanks cave 	 1.00
85B: Coland	 - Very limited Seepage 	1.00 	Depth to saturated zone	1.00 0.31		 0.10
Spillville	 Very limited Seepage 		 Somewhat limited Piping 	0.85	 Somewhat limited Deep to water Cutbanks cave	 0.81 0.10
38B: Clarion	 Somewhat limited Seepage				 Very limited Deep to water	1 1 1 1 1 1 1 1 1 1
	Somewhat limited Seepage				 Very limited Deep to water	11.00
38C2: Clarion	 - Somewhat limited Seepage		 Very limited Piping		 Very limited Deep to water	1 1.00
Storden	 Somewhat limited Seepage		 Very limited Piping	1 1.00	 Very limited Deep to water	1 1.00

Emmet County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes, and levees		=	
	Rating class and limiting features		Rating class and limiting features			
638D2: Clarion	Seepage		Piping		 Very limited Deep to water 	1 1.00
Storden			Piping		 Very limited Deep to water 	1 1.00
338E2: Clarion	Seepage		Piping		 Very limited Deep to water 	1 1.00
Storden	 - Somewhat limited Seepage Slope	 0.70 0.04			 Very limited Deep to water 	 1.00
39D2: Storden	 - Somewhat limited Seepage				 Very limited Deep to water	1 1 . 00
Salida					 Very limited Deep to water	11.00
55: Crippin	 - Somewhat limited Seepage 	0.70	Piping	0.50 0.43 		 0.30 0.25
707: Delft		0.70 	Depth to saturated zone	11.00	 Somewhat limited Slow refill Cutbanks cave	 0.30 0.10
733: Calco	 - Somewhat limited Seepage 	 	 Very limited	1 1.00	 - Somewhat limited Slow refill - Cutbanks cave	 0.30 0.10
787B: Vinje	•		 Somewhat limited Piping	 	 	1 1.00

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Map symbol and soil name	Pond reservoir areas		Embankments, dikes, and levees		Aquifer-fed excavated ponds	
	Rating class and limiting features		Rating class and limiting features 			
 11: Muskego 	Very limited Seepage	1 1 1 . 00	Depth to saturated zone	11.00		 0.10
23: Ridgeport	=		 Somewhat limited Seepage			11.00
28B: Zenor	=		 Somewhat limited Seepage		•	1 1.00
28C2: Zenor			 Somewhat limited Seepage			1 1 1 1 1 1 1 1 1 1
79: Fostoria 			 Somewhat limited Piping Depth to saturated zone	0.65		 0.30 0.25
56: Okoboji 				11.00	 Somewhat limited Slow refill Cutbanks cave	 0.30 0.10
 Harps 			 Very limited Depth to saturated zone	11.00	 Somewhat limited Slow refill Cutbanks cave	 0.30 0.10
133: Colo			. •	 1.00	 Somewhat limited Slow refill	 0.30 0.10
458: Millington 	Somewhat limited Seepage	 0.70 	 Very limited Depth to saturated zone Piping	 1.00 0.81		 0.30 0.10

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limiting features Very limited	 	Rating class and limiting features		•	
-					
	11.00	Depth to saturated zone	1.00 		0.10
Very limited Seepage			0.85	Deep to water	0.81
Somewhat limited Seepage		Depth to saturated zone	11.00	Slow refill	0.30
Somewhat limited Seepage		•		· •	11.00
Not rated	 	 Not rated 	 	Not rated	
Not rated	 	 Not rated 		Not rated	
Not rated	 	 Not rated 		Not rated	
Not rated	 	 Not rated 		Not rated	
	Seepage Somewhat limited Seepage Somewhat limited Seepage Not rated Not rated	Seepage 1.00	Seepage 1.00 Piping		Seepage 1.00 Piping 0.85 Deep to water Cutbanks cave